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Mr. Conrad presented for publication in the Proceedings the following papers, viz.

1. Descriptions of three new species of *Unio*.
2. Observations on the Eocene deposit of Jackson, Miss., with descriptions of thirty-four new species of shells and corals.

All of which were referred to a Committee consisting of Dr. Wilson, Mr. Chas. E. Smith and Mr. Phillips.

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January 23d.

Vice-President BRIDGES in the Chair.

A letter was read from Dr. Wm. E. Dearing, dated Augusta, Georgia, 16th Jan., 1855, acknowledging the receipt of his notice of election as a Correspondent.

A paper was presented for publication in the Journal, entitled "Remarks on the Cryptogamic Flora of the State of Georgia, by Professor Julien Deby;" which was referred to Dr. Zantzing, Dr. Bridges and Dr. Durand.

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January 30th.

Vice-President BRIDGES in the Chair.

The Committee on Mr. Conrad's papers, read Jan. 16, 1855, reported in favor of publication.

*Descriptions of three new species of Unio.*

By T. A. CONRAD.

#### UNIO.

1. *U. Grandensis*.—Suboval, ventricose posteriorly, disks somewhat flattened; umbo distant from anterior margin, and with minute radiating lines extending to the tips of the beaks; no concentric undulations; within purple.

*Locality.* Rio Grande, Texas.

Allied to *U. cardium*, Raf., but differs in the striated beak, purple interior, &c.

2. *U. Taumilapanus*.—Oblong, somewhat compressed; substance of shell thick anteriorly and over the umbo; disks flattened; ligament margin nearly parallel with basal margin; umbo decorticated; within pure white.

Allied to *U. niger*, Raf., but more regularly oblong and very white inside.

*Locality.* San Juan river, Taumilapas.

3. *U. Pearlensis*.—Suboval; umbo ventricose; sides contracted before the umbonal slope, which is ridged or inflated; two or three radiating folds posteriorly, most prominent over the umbo; within whitish, with a purple margin.

*Locality.* Pearl river, Miss. Prof. Thomas.

Allied to *U. crassidens*, Lam., (*trapezoides*, Lea,) but proportionally much shorter, more ventricose over the umbones, and less folded. This shell belongs to my proposed genus *Plectomerus*, which, if without sufficient distinction in the animal to constitute a genus, will form a convenient and very natural subgenus.